

Christmas, 1988

Dear friends of NDSU Crop and Weed Sciences:

The first thing you will notice about this letter is the new name for the department, which was effective July 1, 1988. The reasons for the change were to distinguish between the Crops and Soils departments at NDSU and to emphasize the expertise we have in the Weed Science area. I am sure we will continue to get mail addressed to the Agronomy department for some time yet. I was selected as chair of the department and appointed by the State Board of Higher Education effective January 1, 1988.

Many of you already are aware of the death of Dr. Karl Lucken, but for those who have not heard, he died on May 22, 1988, from cancer. He had been diagnosed with cancer of the liver in February. A Karl Lucken Memorial Lectureship Fund has been established and contributions can be sent in care of the department.

We have not been able to seek a replacement for Dr. Lucken's position because of a hiring freeze instituted by the governor. He cut the biennial budget by 2% and this resulted in many cutbacks to achieve that amount; we were already in the second year of the biennium so cuts were rather severe. The hiring freeze also prevented us from filling one technician and one secretarial position.

Dr. Richard Horsley was chosen to take over leadership of the six-rowed barley breeding program effective July 1, 1988. Dr. Horsley received his B.S. from the Univ. of Minnesota and his M.S. and Ph.D. from NDSU. He had worked on the barley project for about five years, and for the year prior to his appointment he and Allen Faue had handled the project in my absence. Dr. Horsley has a minor in statistics and is teaching C&WS 517, Experimental Design I.

Dr. James Ozburn became President of NDSU on August 1, 1988. Dr. Ozburn is a North Dakota native and an NDSU graduate, having received his B.S. and M.S. in Soils. He held several administrative positions prior to his coming here. He has maintained a high level of visibility on campus and throughout the state. He was joined by the Presidents of UND and Minot in efforts to educate the public about the crisis in the salaries of teachers and researchers in higher education. Dr. Ozburn attended a coffee in our department just before Thanksgiving where he entertained questions for over an hour.

Dr. Pat Fuerst, who had been a Research Associate at NDSU for two years working on weed problems, moved to Washington State University at Pullman as Assistant Professor of Agronomy. Pat's wife Robin had been on the faculty in Pharmacy Practice.

Among the clerical group, Amy Rott resigned to further her education and Carole Pederson transferred to the Grants and Contracts office in Old Main. Mardell Krebsbach was promoted to take over Carole's job as Account Tech and Amy Jo Johnson was promoted to take the Information Proc. position vacated by Amy Rott. Cheryl Silcox was hired to cover the half-time extension position vacated by Mardell and we recently hired Iris Bachand to fill Amy Jo's position.

Among the technicians, Jarvis Brosz (durum) resigned because of health (allergy) reasons and has gone back to school to work on an MBA. Jim Liedahl (hybrid wheat) was transferred into Jarvis' position. Luke Longlet

(seedstocks) resigned to take a position with Sigco in Breckenridge and will be replaced by David Ouse on 1-3-89. Roger Lussenden (soybean) resigned to work for Asgrow Seed in Minnesota and has been replaced by Mark Halvorson. Cathy Medich (dry bean biotech) resigned to work for Cargill in Fargo and has been replaced by Kim Evenson. Ray Albrecht (USDA flax/sunflower) resigned to work for Busch Agr. Resources in Moorhead and has been replaced by Dale Rehder (transferred from Dr. Jan's project). Jeff Prischmann was hired to work on the forage project.

Many of you will remember Dr. Klosterman, chair of Biochemistry, and Dr. Kiesling, chair of Plant Pathology. Both of these gentlemen retired effective last July 1 after many years of service to NDSU.

Agronomy graduated 8 Ph.D., 11 M.S., and 15 B.S. students in the 1988 commencement. Those receiving Ph.D.'s were Mohammad Badaruddin, Hanlin Du, Jennifer Mitchell Fetch, Michael Hickman, Yousif Hormis, Richard Horsley, Kazi Kabir, and Dallas Peterson. Those receiving M.S. degrees were Belgin Cukadar, Eric Eriksmoen, John Erpelding, David Feist, Robert Houghton, Richard Jenny, Scott Pahl, Raul Rodriguez, Blaine Schatz, Wanda Schimming, and Orval Swenson.

Crop and Weed Sciences had 65 graduate students in the fall of 1988 and we have graduated 2 since that time. We have openings for students in weeds, breeding, biotechnology, and forages. We trust you will encourage students you know to consider NDSU for their graduate work, and perhaps send us their names so we can contact them. New students since last year are listed below (U.S. citizens unless a foreign country is added):

Paul Beech
Dennis Dolan
San San Hla (Burma)
John Kennicker
Aynur Kural (Turkey)
Gene Leach
William Panoram (Guyana)
Zar Quresh (Pakistan)
Sami Suzer (Turkey)
Ahmet Tan (Turkey)
Anthony Thilmony

NDSU had a record enrollment of over 9500 students during the fall quarter. Moorhead State and Concordia also had record enrollments. Enrollment is expected to level off and drop some in the next few years.

The seventh annual Blizzard Party was held November 28 in Anaheim at the ASA meetings with 75 people registered, and there were some who did not sign in. Eighteen states and four foreign countries (Canada, Morocco, Zaire, and Mexico) were represented. Drs. Carl Johnson and Jim Lofgren again helped host the party by supplying smoked almonds and sunflower seeds. Carl also brought aromatic rice, compliments of Mr. Eldon Lundberg in Calif. Dr. Brun and I gave short talks and we had a VCR with tapes of the Bison football team's victories over UND and SDSU. Next years Blizzard Party is planned for Las Vegas on Oct. 17.

Dr. Carter missed the Agronomy Convention for the first time in years and many people asked about him. He still is very active in the department, completing a project for the Office of Technology and Assessment in Washington, D.C.,

teaching grain grading, serving as President of the Flax Institute, serving as principal spokesperson for developing alternative uses for flax, and other activities. He and Mrs. Carter took their California wine country trip that was part of their retirement gift. He has consented to add a page at the end of this letter as he did last year.

Several of our faculty (and associated persons) received recognition for their accomplishments this past year.

- Dr. Messersmith continues as the first Editor of the Journal of Weed Technology (Charlene Lucken serves as the Technical Editor of that publication). Dr. Messersmith also was selected as an Honorary Member of the NCWCC and was elected by the NCWCC to represent them on the WSSA Board of Directors.
- Dr. Dexter still serves as Editor of the NC Weed Control Guide and recently he was selected as the first recipient of the Sugarbeet Distinguished Service Award by the Red River Valley Sugarbeet Growers Association.
- Dr. Franckowiak represents the United States on the General Organizing Committee for the International Barley Genetics Symposium
- Dr. Campbell was involved in six sugarbeet germplasm releases
- Dr. Nalewaja is the NCWCC representative to the Council of Agricultural Science and Technology (CAST).
- Dr. Schneiter is an Associate Editor of Agronomy Journal.
- Dr. Meyer recently was appointed as Technical Editor of Crop Science for divisions C3 through C6 and just completed his tenure as past-chair of division C3.
- Dr. Hammond is Associate Editor for statistics for Agronomy Journal.
- Dr. Cantrell released a new durum wheat, Renville.
- Dr. Froberg released a new HRSW, Amidon.
- Dr. Hammond released a new flax, Neche.
- Dr. McMullen released a new oat, Valley.
- Dr. Spilde released a new rye, Dacold.
- Dr. Cross released several corn inbreds.
- Dr. Jan released sunflower germplasm with powdery mildew resistance.
- Dr. Miller released two groups of sunflower germplasm lines, one with short stature and the other a group of introductions.

We are progressing with plans for a new building which will house the Crop and Weed Sciences and Horticulture and Forestry departments. It will be situated on the street and parking lot just south of Walster Hall and will be attached by walkways to both Walster and Waldron Halls. Plans for the building will be finalized in January and we plan to let bids in May. A target date for completion has not been provided, but my guess is late 1990. The building will contain many research laboratories, which are modeled somewhat along the lines of the laboratories in the new federal laboratory, which is called the Northern Crops Sciences Laboratory (NCSL).

USDA scientists in cereals, oilseeds, and sugarbeets, and five NDSU scientists, two from Crop and Weed Sciences, moved into the NCSL in April. It was not dedicated until September 3, when many USDA and political figures participated in the event. Dr. Don Zimmerman was selected to replace Dr. Claude Schmidt as the Center Director. It is a very functional building and the tenants seem very pleased with it.

Federal funds, with matching funds raised by commodity organizations, have been appropriated to build a new durum mill, to be attached to the Cereal Science and Food Technology building, and a new feed mill, to be built on the

Animal Science farms. A new service center building, housing the Crop and Weed Sciences and Agriculture Engineering shops, will be built northwest of Waldron Hall. Plans call for groundbreaking for these buildings in 1989.

Fargo voters recently gave 60% approval to a 0.5% sales tax for 30 years to fund the building of a huge dome. This structure would handle football games (with seating for about 20,000), other athletic events, concerts, exhibitions, etc. One event already has been scheduled, the state Republican convention in 1992. There still are many items to be cleared up, but there may be some building activity in late 1989. The site of the building is on the parking lot north of the present Bison Sports Arena and south of 19th Ave. North. We will be losing some of our precious plot space to accommodate a parking lot.

The Bison athletic teams have been impressive. The football team won 14 games and the Division II championship. The womens volleyball team won 3rd place in Division II, the womens basketball team won 3rd place in Division II, the wrestling team won the Division II title, the hockey team won the National Hockey Club title for the fourth straight year, and the track team placed first and second in the conference in the outdoor and indoor meets, resp.

The annual fall picnic was held at Oak Grove Park on September 8. Dr. Cross and his crew again supplied the corn, no small feat in this year of the drought. We were pleased to have President and Mrs. Ozbun as guests at the picnic. The Christmas Party was held December 15 at the Holiday Inn and the graduate students, with Robert Houghton in charge, provided a program on the past, present, and future of the department. Dr. Cross won the coveted Bison Chip Award for activities he does not want to publicize. He promises to display the Award prominently in his laboratory, because he believes his crew was a big help in getting the Award. The "Norm Williams Open" golf tournament was held August 26 and Dr. Dexter won the puttoff over six other flight winners. Dr. Garry Smith, a recent transfer to the USDA sugarbeet unit as RL, came in with the low net score (scratch minus handicap). The organizers will be looking closely at his handicap next year.

We sincerely appreciate hearing from you and your family. Please enclose pictures when you can so that we can observe changes that have taken place, and notify us of any change in address. Please stop by to visit if you are in the area. We hope you had a happy Holiday Season and will have a prosperous New Year.

A. E. Foster

AGRONOMY FACULTY

- A. E. Foster, Professor and Chairman
- W. H. Ahrens, Ass't. Professor, Weed Science
- L. G. Campbell, Adjunct Professor, Research Geneticist, Sugarbeet (USDA)
- R. G. Cantrell, Assoc. Professor, Durum Wheat Breeding
- J. F. Carter, Professor Emeritus, Retired
- D. J. Cox, Ass't. Professor, HRW Wheat Breeding
- H. Z. Cross, Professor, Corn Breeding
- E. L. Deckard, Professor, Crop Physiology
- A. G. Dexter, Professor, Extension, Weed Science, Sugarbeets
- W. W. Donald, Adjunct Professor, Research Agronomist, Weed Science, (USDA)
- D. L. Doney, Adjunct Professor, Research Geneticist, Sugarbeets (USDA)

FACULTY (cont.)

D. C. Ebeltoft, Professor Emeritus, Retired
 J. D. Franckowiak, Professor, Barley Breeding
 R. C. Froberg, Professor, Wheat Breeding
 K. F. Grafton, Assoc. Professor, Dry Bean Breeding
 J. J. Hammond, Professor, Flax Breeding
 J. J. Hanzel, Adjunct Professor, Sunflower Breeding
 J. L. Helm, Assoc. Prof., Extension, Row Crops
 T. C. Helms, Ass't. Professor, Soybean Breeding
 C. C. Jan, Adjunct Professor, Sunflower Cytogenetics (USDA)
 L. R. Joppa, Adjunct Professor, Res. Geneticist, Durum Genetics (USDA)
 H. R. Lund, Professor, Director, Experiment Station
 R. G. Lym, Assoc. Professor, Weed Science
 S. S. Maan, Professor, Wheat Cytogenetics
 P. L. McClean, Ass't. Professor, Molecular Genetics
 M. S. McMullen, Assoc. Professor, Oat Breeding
 C. G. Messersmith, Professor, Weed Science
 D. W. Meyer, Professor, Forage Crops
 J. F. Miller, Adjunct Professor, Res. Geneticist,
 Flax & Sunflower Breeding (USDA)
 J. D. Nalewaja, Professor, Weed Science
 D. E. Peterson, Assistant Professor, Extension, Weed Specialist
 A. A. Schneider, Professor, Specialty Crops
 R. H. Shimabukuro, Adjunct Professor, Plant Physiologist (USDA)
 G. S. Smith, Professor Emeritus, Retired
 L. A. Spilde, Assoc. Professor, Seedstocks
 D. A. Whited, Professor, Genetics Teaching
 N. D. Williams, Adjunct Professor, Research Geneticist (USDA)

RESEARCH ASSOCIATES

Frank Manthey, Weed Science

GRADUATE RESEARCH FELLOWS

Tom Peters, Weed Control
 Debra Steiger, Durum Breeding
 Orval Swenson, Weed Control

VISITING FOREIGN SCIENTISTS

Kornel Laczinski, Corn breeding
 Zenon Woznica, Weed control

SECRETARIES

Eileen Buringrud, Admin, Ass't. I
 Mardell Krebsbach, Account Technician I
 Elaine Dobrinz, Admin. Sec. II
 Amy Jo Johnson, Inf. Proc. Oper. I
 Iris Bachand, Word Proc. Oper. I
 Sharon Ahrens, Admin, Sec. I
 Cheryl Silcox, Admin. Sec. I (50%)

TECHNICIANS AND OTHER CLASSIFIED

Robert Baumann, oat breeding
 David Birdsall, durum wheat genetics, USDA
 Kay Carlson, wheat cytogenetics
 Katheryn Christianson, perennial weeds

TECHNICIANS AND OTHER CLASSIFIED

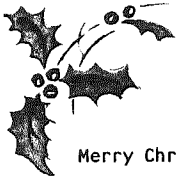
Mark Ciernia, weed control
 Steven Ellefson, barley breeding
 Kimberly Evenson, molecular genetics
 James Faller, HRS wheat breeding
 Roger Genoch, barley breeding
 Joan Gordon, wheat cytogenetics
 Mark Halvorson, soybean breeding
 Burton Johnson, crop production
 Gerald Johnson, HRW wheat breeding
 Daryl Klindworth, wheat genetics, USDA
 James Liedahl, durum wheat breeding
 Lyle Lindberg, flax breeding
 John Luecke, sugarbeet weed control
 Carl Madsen, HRS wheat breeding
 Marvin Mayer, Motor Vehicle Mechanic I
 Garry Mowery, sunflower breeding, bird resistance
 Wayne Norby, forage crop production
 Jeffrey Prischmann, forage crop production
 Kris Prodoehl, sugarbeet breeding, USDA
 Dale Rehder, sunflower breeding, USDA
 Ronald Roach, weed control
 Marilyn Schroeder, crop physiology
 Jody VanderWal, dry bean breeding
 Duane Wanner, corn breeding

AGRONOMY GRADUATE MAJORS, FALL QUARTER, 1988

Arneson, Jerry	Self	
Axton, Lisa	Self	
Beech, Paul	GRA	
Birdsall, David	Self	
Bredehoeft, Mark	GRA	
Busse, Steven	Self	
CAGLEY, MICHAEL	Self	
CASTILLO, JULIO	LASPAU	Panama
Christianson, Katheryn	Self	
Dhanapala, Madduma	FAO	Sri Lanka
Dolan, Dennis	GRA	
Faue, Allen	GRA	
Feist, David	GRA	
Feoli, Carlos	Gov't.	Argentina
Flake, Jeffery	GRA	
Friend, Terry	GRA	
Gonzalez, Fernando	GRA	Mexico
Gross, Patrick	GRA	
GUSTAFSON, VICKI	Self	
Halvorson, Mark	Self	
Held, Bruce	GRA	
Heley, Darwin	Self	
Hemenway, Jeff	GRA	
Hla, San San	OICD	Burma
Houghton, Robert	GRA	
Hussain, Sayed Wajid	Gov't	Pakistan
Johnson, Burton	Self	

AGRONOMY GRADUATE MAJORS (cont.)

Kennicker, John	GRA	
Keser, Mesut	FAO	Turkey
Khan, Aslam	OICD	Pakistan
Khan, Mohammad	FAO	Pakistan
Kirsch, Michael	Self	
Klindworth, Daryl	Self	
Klindworth, Margaret	Self	
Kural, Aynur	FAO	Turkey
LARSON, WARREN	Self	
LASKAR, WILLIAM	Self	
Leach, Gene	GRA	
McMullan, Patrick	GRA	Canada
MAGSAM, RHONDA	Self	
Masud, Amir	Self	Pakistan
Miklas, Phillip	GRA	
Mostafavi, Mohammad	Gov't	Iran
Nsarellah, Nasserlehaq	Maroc/MIAC	Morocco
Olmedo, Oscar	GRA	Mexico
Ouse, David	GRA	
Panoram, William	LASPAU	Guyana
Peters, Tom	GRF	
Posch, Jeffrey	GRA	
Prodoehl, Kristine	Self	
Quresh, Zar	TIPAN	Pakistan
REYNOLDS, DEAN		
Roman, Hector	GRA	Chile
Rugroden, Daniel	GRA	
Samad, Abdus	CIDA/CIMMYT	Banglade
Seka, Dagou	AFGRAD	Ivory Co
Simonson, Randall	Self	
Steiger, Debra	GRF	
Swenson, Orval	GRF	
Tan, Ahmet	OICD	Turkey
Thilmony, Anthony	GRA	
Thorsness, Kevin	GRA	
WEED, DONALD	Self	



Merry Christmas from "Jack's Corner"

As Carl Johnson recommended, or a message from the former chairman, as Dr. Foster invited. I'm pleased to send you a short message as it is impossible for me or my wife to write each of you individually. First, thank you for the Holiday messages that came from you to the department or to us personally--we appreciate very much and wish to "keep track" and learn about you and your families.

I've survived 1 1/2 years of retirement successfully, I believe, lost 10 pounds being more active and less chair-bound, and been involved enough in agronomic things not to go "brain-dead", I hope. My wife says that I'm not doing a lot differently than in past but we start more slowly in the morning and I'm working many fewer hours, going to a fraction of "meetings" of past, and more or less doing the "agronomic thing" as I please. I taught Grain Grading in the Spring Quarter and some advanced wheat grading to a Japanese student in Fall Quarter. I've spoken to several wheat and barley Trade Teams, mainly about wheat and barley grading, and to a few commodity groups. I'm on two Founders Day Committees for the NDSU centennial which peaks in the spring of 1990. A Founders Week will be full of action and some of you may wish to attend. I've prepared a centennial exhibit on History of Wheat in North Dakota for the North Dakota State Wheat Commission which has involved some interesting reading and library research, and has shown a need to place much of this information in one manuscript which I hope to write soon. Also, I've been involved in "action" on flax seed and flax oil as possibly beneficial to human nutrition and health because of the high linolenic acid content (omega 3) that may have some very interesting and valuable developments in the future. Mostly at home I have been doing some long neglected upkeep on windows, refinishing, etc., grafted 10 apple trees for Bidder's Bowl and special individuals, and watering the yard during one of Fargo's driest summers.

Imogene, my to some of you, continues to work with several clubs, church women groups, playing the organ at church (we led a drive to get a new organ during the year), the usual household duties from which women never retire, I guess, and many other activities. She also spends some time with her parents, now 96 and 95 years old, in Bethany, a retirement home in Fargo. She would like to travel more to some other countries and maybe we will get going on that soon. We did travel in 1988 to visit Brian and family in Baton Rouge, briefly in New Mexico (including a visit to an old friend, Arden Baltensperger at Las Cruces), Arizona, etc. Then in September we took the "wine country visit" given to us at retirement to Sacramento and Napa Valley area plus adding on a visit to my sister in Seattle, Washington.

Our family is much as described in 1987, only one year older. We have had several visits from some of them this year including all our family here for a Carter reunion, 66 descendants of my parents family, Tom and Mary, of Chappell, Nebraska, at Fair Hills, a resort near Fargo in Minnesota. Nancy and family were here for much of the summer, Nancy, Andy and Christina, the longest. Their visit led to a change in our life modus operandi for one year.

Eric, Nancy's husband, is in the State Department and Embassy in Ghana, Africa. The American school is small and not too good for Andy so he has stayed with us in Fargo to attend 9th grade at Oak Grove, a Lutheran school, until June, 1989. Andy is 14. He stays in dormitory during the week and "home" with us on weekends, except any weekends that we might be gone, then he has a very "boring" weekend in the dorm as he says. Andy is a good student and affable youth so we are getting along fine. It is a change for us to be

"parents" again but all goes well so far. Sorry to have missed Agronomy meetings and Blizzard Party for first time in many years because Andy needed a home during Thanksgiving vacation.

Stop to see us as you may pass this way and best wishes for a MERRY CHRISTMAS and a HAPPY AND HEALTHFUL YEAR ahead.

Dr. and Mrs. Carter, 1988